National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:1999

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CALIBRATION LABORATORIES **NVLAP LAB CODE 200370-0**
Revised Scope: 2006-04-04

IONIZING RADIATION DOSIMETRY

NVLAP Code: 20/I02
High-Dose Dosimetry

Evaluation of Transfer-standard and Reference-standard Dosimeters for Production Irradiators

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
0.5 kGy to 50 kGy	4.0 %	Results reported as absorbed dose.

Evaluation of Transfer-standard and Reference-standard Dosimeters for Research Irradiators

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
20 Gy to 400 Gy	2.0 %	Results reported as absorbed dose or absorbed-dose rate.

Irradiation of Dosimeters for Known Absorbed-dose Levels

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
10 Gy to 250 kGy	2.3 %	Results reported as absorbed-dose values or may be analyzed for dosimeter response and reported as a calibration curve.

2006-04-01 through 2007-03-31
Effective dates

For the National Institute of Standards and Technology

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Calibration of Routine Dosimeters using Reference-standard or Transfer-standard Dosimeters

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
0.5 kGy to 50 kGy	4.0 %	Results reported as absorbed-dose values or may be analyzed for dosimeter response and reported as a calibration curve.

1. Represents an expanded uncertainty using a coverage factor, k = 2, at an approximate level of confidence of 95 %.

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